



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit :
Examiner :
Serial No. : 09/775,964
Filed : February 2, 2001
Inventors : Kiyozo Asada
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 : Takashi Ueno
 : Nobuto Koyama
 : Kimikazu Hashino
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Title : METHOD FOR GENE
 : TRANSFER INTO TARGET
 : CELLS WITH RETROVIRUS

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22469

PATENT TRADEMARK OFFICE

Docket No.: 1333-DIV2-00
Confirmation No.: 9656

Dated: August 27, 2002

SUPPLEMENTAL PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In the above-referenced application, please add the following abstract:

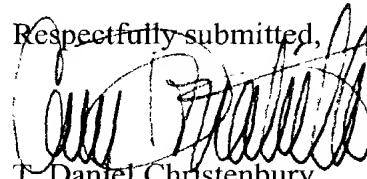
In the Abstract

-- ABSTRACT OF THE DISCLOSURE

The present invention provides a method for increasing the efficiency of gene transfer into target cells with a retrovirus. The transduction is effected by infecting target cells with a retrovirus in the presence of a mixture of a functional material having a retrovirus binding domain, and a second functional material having target cell binding domain. The target cells may be selected from the group of unipotential hematopoietic progenitor cells and erythrocyte precursor, specifically pluripotent stem cells or embryopalstic stem cells. --

REMARKS

The present abstract is submitted in the response to the Notice to File Corrected Application Papers dated June 27, 2002, and is intended to supplement the response filed July 29, 2002. It is respectfully requested that the abstract be entered in this case.

Respectfully submitted,

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